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COOPERATIVE AGREEMENT NUMBER DAMD17-94-V-4001

Contract DAMD17-91-C-1010

TITLE: Evaluation of Antimalarial Agents

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REPORT DATE: May 1998

TYPE OF REPORT: Final

PREPARED FOR: U.S. Army Medical Research and Materiel Command
Fort Detrick, Maryland 21702-5012

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REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE May 1998	3. REPORT TYPE AND DATES COVERED Final (28 Dec 93 - 14 Sep 94)	
4. TITLE AND SUBTITLE Evaluation of Antimalarial Agents			5. FUNDING NUMBERS DAMD17-94-V-4001 and DAMD17-91-C-1010	
6. AUTHOR(S) Arba L. Ager, Ph.D.				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) University of Miami Miami, Florida 33101			8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Medical Research and Materiel Command Fort Detrick, Maryland 21702-5012			10. SPONSORING / MONITORING AGENCY REPORT NUMBER	
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for public release; distribution unlimited			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words)				
14. SUBJECT TERMS Chemotherapy, Malaria, Plasmodium, Resistance			15. NUMBER OF PAGES 79	
			16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT Unlimited	

FOREWORD

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Arba L. Ager, Jr., Ph.D.

May 1998

PI - Signature

Date

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Final Report

Evaluation of Antimalarial Agents

DAMD 17-94-V-4001

Period covering 12/28/93 – 12/14/93 (extended to 6/14/94)

There were 447 compounds tested in the Rane test (mm Test System) against *Plasmodium berghei* in mice for blood schizonticidal activity. Twenty-two of these compounds were active.

In the Secondary Test System (Experiments 762-824), we tested selected active compounds in a variety of tests.

Arteether, a tetraoxane (WR 148999) and a Qinghaosu analog (not metabolized to the active metabolite – dihydroartemisinin) were given daily for 14 days to check for toxicity. The tetraoxane was not toxic while the other 2 compounds were toxic.

Chloroquine, halofantrine, and WR 148999 were given once on either day 3, -2, -1, one to check for duration of activity. WR148999 protected the mice for a longer time period than the other drugs.

Several antibiotics (Azithromycin, Norfloxacin, Ciprofloxacin, Roxithromycin, Ofloxacin and clarithromycin) were tested SC & PO against the drug-sensitive MM line of *P. berghei*. Azithromycin was the most active antibiotic of those tested in the Thompson Test. An antitubulin compound (Triflurlin) was tested SC & IP in DMSO in the Thompson Test and exhibited slight antimalarial activity.

Chloroquine and halofantrine did not exhibit any cross resistance with Qinghaosu when tested against Qinghaosu-resistant parasites.

Primaquine and Chloroquine were tested against the WR 238605-resistant line and Primaquine exhibited some cross resistance.

Several compounds (WR 102796, WR 228258, BL 20630, BL 21100, WR 234251, BM 19561, BM 19589, BM 19598, BM 19543, BM 19570, BN 34367, BN 34385, BM 19614, BH 13998, BH 35430, BH 30373, BH 38986, BH 30999 and ZP 32964) were tested via either the SC or PO route or by both routes in the regular Thompson Test against drug-sensitive parasites. WR 228258 was the most active of these compounds tested.

Several drug combination tests were performed to detect synergistic activity in the Thompson Test. These included Azithromycin plus either Halofantrine, Quinine, Qinghaosu or Primaquine. No synergistic activity was detected with any of these combinations.

MICRONIZED VS. NON-MICRONIZED DIHYDRO QHS AND NON-MICRONIZED WR 169626 TESTED IN MICE INFECTED WITH PLASMODIUM
BERGHEI (MM-LINE) EXPERIMENT 851

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY	MICRONIZED	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
1	CONTROL	0		5/8 2/9	0/7
2	DIHYDRO QHS	320	YES		7/7
3	BM 05790	80	YES	1/17 1/24 1/29	4/7
4		20	YES	2/16 1/20 1/22 1/24 1/26 1/27	0/7
5		5	YES	3/9 2/11 1/13 1/24	0/7
6		1.25	YES	3/8 3/9 1/11	0/7
7	DIHYDRO QHS	320	NO		7/7
8	BM 05790	80	NO	1/16 1/18	5/7
9		20	NO	2/12 1/17 1/20 1/22 1/23 1/28	0/7
10		5	NO	6/9 1/11	0/7
11		1.25	NO	3/8 4/9	0/7
12	169626	512	NO	1/18	6/7
13	BK 09350	256	NO	2/19 1/20 1/26 1/27	2/7

Female CD-1 mice 5 weeks old were used.

GROUP NO.	COMPOUND	MG/KG/DAY	ROUTE	VEHICLE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6	AVG. PARA. DAY + 13	AVG. PARA. DAY + 20
	WR/BN	X 3							
8	CONTROL	O			1/7 3/8 2/9	0/6	63	DEAD	
9	ARTEETHER	256	PO	HEC	1/18	5/6	0	0	0
10	BL 48816	64	PO	HEC	2/15 1/16 1/17 1/25	1/6	0	3.2	10
11		16	PO	HEC	2/14 2/19 1/20 1/22	0/6	0	34.8	60
12	ARTEETHER	256	PO	OIL		6/6	0	0	0
13	BL 48816	64	PO	OIL	1/16 1/17	4/6	0	0.5	0
14		16	PO	OIL	3/15 1/16 1/20	1/6	0	23.2	28.5

5 week old female CD-1mice were used.

GROUP NO.	COMPOUND	MG/KG/DAY	ROUTE	VEHICLE	AVG. PARA. DAY + 27	AVG. PARA. DAY + 34	AVG. PARA. DAY + 41	AVG. PARA. DAY + 48	AVG. PARA. DAY + 56
	WR/BN	X 3							
8	CONTROL	O			DEAD				
9	ARTEETHER	256	PO	HEC	0	0	0	0	0
10	BL 48816	64	PO	HEC	DEAD				
11		16	PO	HEC	DEAD				
12	ARTEETHER	256	PO	OIL	0	0	0	0	0
13	BL 48816	64	PO	OIL	0	0	0	0	0
14		16	PO	OIL	0	0	0	0	0

5 week old female CD-1mice were used.

GROUP NO.	COMPOUND NO.	MG/KG/DAY	ROUTE	NO. OF MICE DEAD/		NO. OF MICE ALIVE	AVG.		AVG.		AVG.	
				DAY DIED			DAY + 6	PARA.	DAY + 13	PARA.	DAY + 20	PARA.
8	CONTROL	0		5/8 2/9		0/7	65.4	DEAD				
9	279675	190	PO	2/16 1/17 1/20 1/23 1/25		1/7	0	19.3	22.7	0		
10	BN 36147	47.5	PO	5/9 2/10		0/7	8.6	DEAD				
11		11.9	PO	6/8 1/10		0/7	70.3	DEAD				
12		3	PO	5/8 2/10		0/7	60.9	DEAD				
13		0.74	PO	3/8 4/9		0/7	64	DEAD				
14	279675	190	SC			7/7	0	0	0	0		
15	BN 36147	47.5	SC	1/8 2/9 1/10 1/22		2/7	2.9	24.3	59.5	47		
16		11.9	SC	3/8 4/9		0/7	60.9	DEAD				
17		3	SC	3/8 4/9		0/7	63.6	DEAD				
18		0.74	SC	3/8 4/9		0/7	66	DEAD				

Female CD-1 mice 5 weeks old were used.

GROUP NO.	COMPOUND NO.	MG/KG/DAY	ROUTE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 34	AVG. PARA. DAY + 41	AVG. PARA. DAY + 48	AVG. PARA. DAY + 56
8	CONTROL	0		5/8 2/9	0/7	DEAD			
9	279675	190	PO	2/16 1/17 1/20 1/23 1/25	1/7	0	0	0	0
10	BN 36147	47.5	PO	5/9 2/10	0/7	DEAD			
11		11.9	PO	6/8 1/10	0/7	DEAD			
12		3	PO	5/8 2/10	0/7	DEAD			
13		0.74	PO	3/8 4/9	0/7	DEAD			
14	279675	190	SC		7/7	0	0	0	0
15	BN 36147	47.5	SC	1/8 2/9 1/10 1/22	2/7	35	DEAD		
16		11.9	SC	3/8 4/9	0/7	DEAD			
17		3	SC	3/8 4/9	0/7	DEAD			
18		0.74	SC	3/8 4/9	0/7	DEAD			

Female CD-1 mice 5 weeks old were used.

GROUP NO.	COMPOUND	MG/KG/DAY	ROUTE	NO. OF MICE DEAD/		NO. OF MICE ALIVE	AVG.		AVG.	
				DAY DIED		DAY + 60/TOTAL	PARA.	DAY + 6	PARA.	DAY + 13 DAY + 20 DAY + 27
8	CONTROL	0		1/8 6/9		0/7			DEAD	
9	279674	180	PO	1/17 1/18 1/20 1/26		3/7				
10	BN 36138	45	PO	3/9 3/10 1/20		0/7			DEAD	
11		11.3	PO	2/8 4/9 1/12		0/7			DEAD	
12		2.8	PO	5/8 1/9 1/14		0/7			DEAD	
13		0.7	PO	6/8 1/9		0/7			DEAD	
14	279674	180	SC			7/7				
15	BN 36138	45	SC	2/9 1/11 1/12 1/18 1/20		1/7				
16		11.3	SC	4/8 3/9		0/7			DEAD	
17		2.8	SC	3/8 3/9 1/10		0/7			DEAD	
18		0.7	SC	1/8 6/9		0/7			DEAD	

Female CD-1 mice 5 weeks old were used.

GROUP NO.	COMPOUND	MG/KG/DAY	ROUTE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 34	AVG. PARA. DAY + 41	AVG. PARA. DAY + 48	AVG. PARA. DAY + 56
8	CONTROL	0		1/8 6/9	0/7				
9	279674	180	PO	1/17 1/18 1/20 1/26	3/7				
10	BN 36138	45	PO	3/9 3/10 1/20	0/7				
11		11.3	PO	2/8 4/9 1/12	0/7				
12		2.8	PO	5/8 1/9 1/14	0/7				
13		0.7	PO	6/8 1/9	0/7				
14	279674	180	SC		7/7				
15	BN 36138	45	SC	2/9 1/11 1/12 1/18 1/20	1/7				
16		11.3	SC	4/8 3/9	0/7				
17		2.8	SC	3/8 3/9 1/10	0/7				
18		0.7	SC	1/8 6/9	0/7				

Female CD-1 mice 5 weeks old were used.

ANTIMALARIAL ACTIVITY OF WR 169626 ADMINISTERED ORALLY VS. SUBCUTANEOUSLY TO MICE INFECTED WITH PLASMODIUM BERGHEI
(MM-LINE) EXPERIMENT 840

GROUP NO.	COMPOUND	MG/KG/DAY	NO. OF MICE DEAD/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
	WR/BN	X 3		
8	CONTROL	0	4/7 2/8	0/6
9	169626	256	1/12 1/17 1/20 1/22 1/24	2/7
10	BK 09350	64	1/9 1/12 1/15 1/16 2/18 1/20	0/7
11		16	1/7 1/8 3/9 1/12 1/16	0/7
12		4	3/8 1/8 4/9	0/7
13		1	2/7 1/8 4/9	0/7
14	169626	256	1/8	5/6
15	BK 09350	64		6/6
16		16	1/34	5/6
17		4	1/13 1/14 1/17 1/18 2/19	0/6
18		1	1/12 1/17 1/18 1/19 1/24	0/5
19		0.25	3/9 2/12 1/19	0/6

Female CD-1 mice 5 weeks old were used.

DURATION OF ACTION OF WR 238605 WHEN ADMINISTERED ORALLY ONCE ON EITHER DAY -3,-2 OR -1 BEFORE INFECTION WITH
PLASMODIUM BERGHEI (MM-LINE) IN MICE (EXPERIMENT 839)

GROUP NO.	COMPOUND	MG/KG	DAY OF TREATMENT	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6	AVG. PARA. DAY + 13	AVG. PARA. DAY + 20	AVG. PARA. DAY + 27
2	238605	128	-3	1/7 1/12 1/21 1/30	1/5	0	0	0	0
3	BK 73252	32	-3	1/14 1/24	3/5	0	7	20	0
4		8	-3	1/9 1/10 2/12 1/15	0/5	0.2	39	DEAD	
5		2	-3	4/8 1/9	0/5	68	DEAD		
6	238605	128	-2	1/5 1/12 1/13 1/15	1/5	0	0	0	0
7	BK 73252	32	-2		5/5	0	0	0	0
8		8	-2	1/12 2/13 1/25 1/30	0/5	0	21	77	51
9		2	-2	3/9 1/10 1/12	0/5	11	DEAD		
10	238605	128	-1	1/5 1/12 1/15 1/31	1/5	0	0	0	0
11	BK 73252	32	-1		5/5	0	0	0	0
12		8	-1	2/13 2/14 1/17	0/5	0	20	DEAD	
13		2	-1	1/10 2/13 2/14	0/5	0	75	DEAD	
1	CONTROL	0		1/7 2/8 2/9	0/5	77	DEAD		

Drugs were mixed in HEC-Tween 80 and given to female CD-1 mice 5 weeks of age.

DURATION OF ACTION OF WR 238605 WHEN ADMINISTERED ORALLY ONCE ON EITHER DAY -3,-2 OR -1 BEFORE INFECTION WITH
PLASMODIUM BERGHEI (MM-LINE) IN MICE (EXPERIMENT 839)

GROUP NO.	COMPOUND WR/BN	MG/KG	DAY OF TREATMENT	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 34	AVG. PARA. DAY + 41	AVG. PARA. DAY + 48	AVG. PARA. DAY + 56
2	238605	128	-3	1/7 1/12 1/21 1/30	1/5	0	0	0	0
3	BK 73252	32	-3	1/14 1/24	3/5	0	0	0	0
4		8	-3	1/9 1/10 2/12 1/15	0/5	DEAD			
5		2	-3	4/8 1/9	0/5	DEAD			
6	238605	128	-2	1/5 1/12 1/13 1/15	1/5	0	0	0	0
7	BK 73252	32	-2		5/5	0	0	0	0
8		8	-2	1/12 2/13 1/25 1/30	0/5	DEAD			
9		2	-2	3/9 1/10 1/12	0/5	DEAD			
10	238605	128	-1	1/5 1/12 1/15 1/31	1/5	0	0	0	0
11	BK 73252	32	-1		5/5	0	0	0	0
12		8	-1	2/13 2/14 1/17	0/5	DEAD			
13		2	-1	1/10 2/13 2/14	0/5	DEAD			
1	CONTROL	0		1/7 2/8 2/9	0/5	DEAD			

Drugs were mixed in HEC-Tween 80 and given to female CD-1 mice 5 weeks of age.

COMPARISON OF ORAL VS. SUBCUTANEOUS ACTIVITY OF BH 35430 IN MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE)
EXPERIMENT 837

GROUP NO.	COMPOUND	MG/KG/DAY	ROUTE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6	AVG. PARA. DAY + 13	AVG. PARA. DAY + 20
8	CONTROL	0		7/8	0/7	69.9	DEAD	
9		0.5	PO		7/7	0	0	0
10	BH 35430	0.25	PO	1/17 1/20 1/26	4/7	0	0	1.8
11		0.123	PO	1/15 3/19	3/7	0	3.3	0
12		0.063	PO	1/11 1/16 2/17 1/20 1/22	1/7	0.16	22.8	75
13		0.031	PO	1/10 2/14 1/15 1/18 1/19 1/20	0/7	10.1	60.5	DEAD
14		0.015	PO	1/8 1/10 1/15 1/16 1/17 1/22 1/24	0/7	22.4	45.8	71
15		0.008	PO	1/7 5/8 1/9	0/7	59	DEAD	
16		0.004	PO	1/7 4/8 1/9 1/13	0/7	67.9	DEAD	
17		0.5	SC		7/7	0	0	0
18	BH 35430	0.25	SC		7/7	0	0	0
19		0.123	SC	2/15 1/16 2/17	2/7	0	6	0
20		0.063	SC	1/14 1/17 2/19 2/20 1/21	0/7	0.4	20	79
21		0.031	SC	1/15 1/16 1/17 1/19 1/20 2/21	0/7	19.4	46.3	76
22		0.015	SC	1/8 2/17 1/18 1/19 2/20	0/7	54.6	75	DEAD
23		0.008	SC	2/7 4/8 1/10	0/7	65.6	DEAD	
24		0.004	SC	1/7 4/8 1/9 1/19	0/7	66.6	DEAD	
25		0.002	SC	5/8 1/9 1/10	0/7	60.6	75	DEAD

Female CD-1 mice 5 weeks of age were used.

COMPARISON OF ORAL VS. SUBCUTANEOUS ACTIVITY OF BH 35430 IN MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE)
EXPERIMENT 837

GROUP NO.	COMPOUND	MG/KG/DAY	ROUTE	AVG. PARA. DAY + 27	AVG. PARA. DAY + 34	AVG. PARA. DAY + 41	AVG. PARA. DAY + 48	AVG. PARA. DAY + 56
8	CONTROL	0		DEAD				
9		0.5	PO	0	0	0	0	0
10	BH 35430	0.25	PO	0	0	0	0	0
11		0.123	PO	0	0	0	0	0
12		0.063	PO	DEAD				
13		0.031	PO	DEAD				
14		0.015	PO	DEAD				
15		0.008	PO	DEAD				
16		0.004	PO	DEAD				
17		0.5	SC	0	0	0	0	0
18	BH 35430	0.25	SC	0	0	0	0	0
19		0.123	SC	0	0	0	0	0
20		0.063	SC	DEAD				
21		0.031	SC	DEAD				
22		0.015	SC	DEAD				
23		0.008	SC	DEAD				
24		0.004	SC	DEAD				
25		0.002	SC	DEAD				

Female CD-1 mice 5 weeks of age were used.

ACTIVITY OF WR 238605 WHEN ADMINISTERED ORALLY TO MICE ON EITHER DAY 1 OR 2 AFTER INFECTION WITH PLASMODIUM BERGHEI
(MM-LINE) EXPERIMENT 836

GROUP NO.	COMPOUND WR/BN	MG/KG	DAY OF TREATMENT	NO. OF MICE DEAD/		NO. OF MICE ALIVE	
				DAY DIED		DAY + 60/TOTAL	
1	CONTROL	0		2/7 3/9		0/5	
2	238605	128	1	1/11 1/13 1/16 1/17		1/5	
3	BK 73252	32	1			5/5	
4		8	1			5/5	
5		2	1	2/10 2/11 1/12		0/5	
6	238605	128	2	1/5 1/14 1/16 1/19 1/23		0/5	
7	BK 73252	32	2			5/5	
8		8	2	1/22		4/5	
9		2	2	1/14 1/19		3/5	

Female CD-1 mice 5 weeks old were used.

GROUP NO.	COMPOUND	MG/KG/DAY	ROUTE	VEHICLE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6
	WR/BN	X 3					
8	CONTROL	0			1/7 5/8 1/9	0/7	74.8
9	BN 36156	128	PO	HEC	2/9 2/10 1/11 1/18 1/20	0/7	7
10		128	PO	OIL	1/8 2/16 1/32	3/7	0
11	BN 36165	128	PO	HEC	1/9 1/10 2/11 1/12	0/5	6.9
12		128	PO	OIL	1/15 1/17 1/18	2/5	0
13	BN 36174	128	PO	HEC	2/9 2/10 1/20	0/5	7.8
14		128	PO	OIL	1/9 1/26	3/5	0
15	23336	64	PO	HEC	1/7 5/8 1/9	0/7	64.4
16	AG 14549	16	PO	HEC	1/7 6/8	0/7	69.1
17		4	PO	HEC	7/8	0/7	73.9
18		1	PO	HEC	1/7 4/8 2/9	0/7	66.7
19	242452	64	PO	HEC		7/7	0
20	BH 89143	16	PO	HEC	1/15 1/16 2/17 2/18 1/22	0/7	0.001
21		4	PO	HEC	1/7 4/8 2/9	0/7	60.3
22		1	PO	HEC	3/7 4/8	0/7	69.1
23	228979	1	PO	HEC	2/15 1/16 3/17 1/23	0/7	4.1
24	BH 08326	0.5	PO	HEC	3/7 1/8 2/9 1/11	0/7	49.6
25		0.25	PO	HEC	1/7 5/8 1/9	0/7	65

Female CD-1 mice 5 week of age were used.

GROUP NO.	COMPOUND	MG/KG/DAY	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
	WR/BN	X 3		
8	CONTROL	0	4/8 3/9	0/7
9	218042	64		7/7
10	BE 63966	16	2/17 1/19 1/24	3/7
11		4	1/8 3/9 1/18 2/21	0/7
12		1	5/8 1/9 1/10	0/7
13	218040	64		7/7
14	BE 64310	16	1/15 2/16 1/17 1/18 1/19 1/30	0/7
15		4	1/7 2/8 2/9 1/10 1/14	0/7
16		1	3/7 2/8 2/9	0/7
17	249975	64	2/21 1/25	4/7
18	BK 15474	16	1/10 1/11 1/12 1/13 1/15 1/18 1/21	0/7
19		4	4/8 3/9	0/7
20		1	6/8 1/10	0/7
21	249875	64		7/7
22	BK 12491	16	1/21 1/28	5/7
23		4	1/16 3/17 1/25 1/33	1/7
24		1	7/9	0/7

Female CD-1 mice 5 weeks old were used.

ANTIMALARIAL ACTIVITY OF SELECTED COMPOUNDS ADMINISTERED ORALLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE)
EXPERIMENT 830

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
8	CONTROL	0	2/7 4/8 1/9	0/7
9	242575	32		7/7
10	BH 89750	8	1/15 2/16 1/18 1/21 1/23	1/7
11		2	2/8 2/9 1/11 1/12 1/21	0/7
12		0.5	6/8 1/9	0/7
13	228979	64	1/27	6/7
14	BH 08326	16		7/7
15		4	1/26	6/7
16		1	1/9 1/18 1/22 1/23 1/27 1/28	1/7
17	2977	64	1/18 1/19 1/21	4/7
18	ZN 08525	16	1/17 2/18 1/20 1/28	2/7
19		4	1/10 3/11 1/12 1/18 1/20	0/7
20		1	1/7 6/8	0/7
21	228258	64	1/25 1/32 1/35	4/7
22	BJ 23346	16	1/28	6/7
23		4	1/47	6/7
24		1	1/32 1/33 1/35 1/40	3/7
25		0.25	2/8 2/11 1/12 1/16 1/20	0/7

Female CD-1 mice 5 weeks old were used.

ARTEMISININ COUPLED TO POLYETHYLENE GLYCOL VS. ARTEMISININ ALONE ADMINISTERED PO VS. SC TO MICE INFECTED WITH
PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 828

GROUP NO.	COMPOUND	MG/KG/DAY	ROUTE	NO. OF MICE ALIVE/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6
	WR/BN	X 3				
8	CONTROL	0	PO	2/7 3/8 2/9	0/7	68.9
9	BCP 031 =	32	PO	1/13 1/14 1/15 1/20 1/23 1/25 1/30	0/7	0
10	QHS +	8	PO	1/8 3/9 2/11 1/12	0/7	5.7
11	POLYETHYLENE	2	PO	2/7 2/8 3/9	0/7	59.1
12	GLYCOL	0.5	PO	2/7 3/8 2/9	0/7	76.7
13	ARTEMISININ	32	PO	1/7 1/8 2/9 1/11 1/12 1/21	0/7	15
14	(QHS)	8	PO	2/7 3/8 1/9 1/11	0/7	76.4
15	279423	2	PO	6/8 1/9	0/7	76.9
16	BN 35739	0.5	PO	2/8 5/9	0/7	67.6
17	BCP 031 =	32	SC	1/14 2/15 1/16 1/21 2/25	0/7	0
18	QHS +	8	SC	2/11 2/12 2/19 1/21	0/7	0
19	POLYETHYLENE	2	SC	1/8 3/9 1/10 1/12 1/19	0/7	8.6
20	GLYCOL	0.5	SC	3/8 3/9 1/10	0/7	54.1
21	ARTEMISININ	32	SC	2/12 1/15 1/21 1/23 1/27 1/33	0/7	0
22	(QHS)	8	SC	1/8 3/9 1/10 1/12 1/14	0/7	14.9
23	279423	2	SC	4/8 2/9 1/11	0/7	54.9
24	BN 35739	0.5	SC	3/7 2/8 2/9	0/7	57.1
25	CONTROL	0	SC	2/7 3/8 2/9	0/7	65.3

Female CD-1 mice were 5 weeks old.

DURATION OF ACTIVITY OF SELECTED ANTIMALARIALS ADMINISTERED ORALLY ONCE TO MICE 4 HOURS PRIOR TO INFECTION WITH
PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 826

GROUP NO.	COMPOUND WR/BN	MG/KG	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
1	CONTROL	0	4/8 1/9	0/5
2	FLOXACRINE	32	1/13 1/14 3/15	0/5
3	BL 20630	8	2/11 1/12 2/13	0/5
4		2	4/8 1/9	0/5
5		0.5	3/8 2/9	0/5
6	SULFADOXINE	32	1/14	4/5
7	ZP 27829	8	1/10 2/11 1/14 1/22	0/5
8		2	2/8 2/9 1/12	0/5
9		0.5	4/8 1/10	0/5
10	DAPSONE	32	2/8 2/9 1/14	0/5
11	ZB 69096	8	4/8 1/12	0/5
12		2	4/8 1/9	0/5
13		0.5	5/8	0/5
14	158122	32	1/8 3/9 1/11	0/5
15	AY 65859	8	4/8 1/10	0/5
16		2	4/8 1/9	0/5
17		0.5	4/8 1/9	0/5
18	CYCLOGUANIL	32	4/8 1/9	0/5
19	ZP 44759	8	4/8 1/9	0/5
20		2	4/8 1/9	0/5
21		0.5	5/8	0/5

Female CD-1 mice 5 weeks old were used.

ANTIMALARIAL ACTIVITY OF SULFADOXINE AND DAPSONE ADMINISTERED ORALLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 825

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
25	CONTROL	0	3/8 2/9 1/10 1/12	0/7
8	SULFADOXINE	256		
9	ZP 27829	128		7/7
10		64	1/35	7/7
11		32	1/22	6/7
12		16	1/21 1/23	6/7
13		8	1/18 1/19 1/20 1/29 1/34	5/7
14		4	1/13 1/16 1/17 1/19 1/21 1/41	2/7
15		2	2/15 1/16 1/17 1/18 1/29	1/7
16		1	1/11 1/12 2/17 1/21 1/22 1/27	1/7
17	DAPSONE	256	1/15 1/17 1/19	0/7
18	ZB 69096	128	1/25	4/7
19		64	2/16 1/19	6/7
20		32	1/15 1/16 1/18 1/24 1/25 1/26	4/7
21		16	2/16 1/19 1/20 1/25 2/28	1/7
22		8	1/12 1/15 1/18 2/21 1/24 1/28	0/7
23		4	1/11 1/12 1/14 2/15 1/18 1/21	0/7
24		2	1/10 2/12 1/18 1/20 1/21 1/24	0/7

Female CD-1 mice 5 weeks old were used.

ANTIMALARIAL ACTIVITY OF PYRROLOQUINAZOLINES ADMINISTERED ORALLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 824

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
28	CONTROL	0	2/8 4/9 1/10	0/7
8	229592	64	1/19 1/20 1/24 2/25 1/27	1/7
9	ZP 33005	4	5/10 1/11 1/12	0/7
10		1	1/8 2/9 2/10 2/11	0/7
11		0.5	4/8 2/9 1/11	0/7
12	230131	64	2/4 4/10 1/15	0/7
13	ZP 33014	4	1/8 3/9 2/10 1/11	0/7
14		1	3/8 2/9 2/10	0/7
15		0.5	1/8 5/9 1/10	0/7
16	233143	64	1/7 1/10	5/7
17	ZP 45961	4	1/8 3/12 1/13 1/22	1/7
18		1	1/11 2/12 1/13 3/15	0/7
19		0.5	1/8 3/10 2/11	0/6
20	226337	64	1/9	6/7
21	ZP 45998	4	1/16 1/21 1/23 1/28	3/7
22		1	1/8 2/11 1/12 1/15 1/22	1/7
23		0.5	2/10 2/11 1/15 1/16 1/20	0/7
24	230687	64	1/7 1/21 1/26	4/7
25	BH 50400	4	2/9 1/10 4/11	0/7
26		1	1/9 3/10 3/11	0/7
27		0.5	1/8 2/9 4/10	0/7

Female CD-1 mice 5 weeks old were used.

(Experiment 821)

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
8	225329	64	1/17 1/18 1/19 2/20 1/23	0/6
9	ZP 32955	4	2/9 1/10 1/15 1/17 1/18 1/26	0/7
10		1	1/8 2/9 1/10 1/11 1/15 1/20	0/7
11		0.5	3/8 3/9 1/18	0/7
12	228277	64	1/5 1/17 1/19 1/20 1/30	2/7
13	ZP 32973	4	1/8 3/9 3/11	0/7
14		0.1	3/8 1/9 2/10 1/19	0/7
15		0.5	6/9 1/10	0/7
16	229212	64		7/7
17	ZP 32982	4	2/16 1/17 2/18 1/26 1/29	0/7
18		1	1/9 4/10 1/17 1/22	0/7
19		0.5	1/8 1/9 2/10 1/17 1/18 1/26	0/7
20	229207	64	1/10 2/17	4/7
21	ZP 32991	4	2/11 1/13 1/15 2/19 1/22	0/7
22		1	2/9 2/10 1/13 1/16 1/18	0/7
23		0.5	1/8 5/9 1/10	0/7
24	CONTROL	0	6/9 1/9	0/7

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
8	WR235155	64		7/7
9	BJ42681	4		7/7
10		1	2/10 1/12 1/13 1/18 1/24 1/25	0/7
11		0.5	1/9 4/10 1/11 1/12	0/7
12	WR230677	64	2/11 1/13 1/16 1/20 2/22	0/7
13	BJ46616	4	4/9 4/10 1/11	0/7
14		1	1/9 6/10	0/7
15		0.5	4/9 3/10	0/7
16	WR237767	64		7/7
17	BJ46625	4	1/9 5/10 1/11	0/7
18		1	3/9 3/10 1/11	0/7
19		0.5	1/9 3/10 2/11 1/16	0/7
20	WR239164	64	1/20	6.7
21	BJ46634	4	2/10 1/11 2/12 1/16 1/24	0/7
22		1	3/10 1/11 3/12	0/7
23		0.5	4/9 2/10 1/11	0/7
24	CONTROL	0	3/8 3/9 1/3	0/7

(Experiment 818)

GROUP NO.	COMPOUND WR/BN	MG/KG DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
1	CONTROL	0	2/7 3/8	0/5
2	CLOROQUINE	32	3/10 1/11	1/5
3	AU29291	8	4/9 1/10	0/5
4		2	1/7 4/8	0/5
5		0.5	4/8 1/9	0/5
6	MEFLOQUINE	32		5/5
7	BK11592	8	1/8 3/9 1/10	0/5
8		2	3/8 1/9	0/5
9		0.5	4/8 1/11	0/5
10	HALOFANTRINE	32		5/5
11	BK64002	8	1/13 1/14	3/5
12		2	3/8 1/9 1/10	0/5
13		0.5	2/7 3/8	0/5
14	PRIMAQUINE	32	4/9 1/10	0/5
15	AU29317	8	3/7 2/8	0/5
16		2	4/7 1/8	0/5
17		0.5	1/7 3/8 1/9	0/5
18	WR238605	32	2/7 1/6	2/5
19	BK73252	8	1/14	4/5
20		2	2/9 1/10 2/11	0/5
21		0.5	1/7 3/8 1/9	0/5
22	QUININE	32	3/7 2/8	0/5
23	BG59659	8	1/17 3/8 1/9	0/5
24		2	1/7 4/8	0/5
25		0.5	4/8 1/9	0/5

(Experiment 817)

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
7	CONTROL	0	4/8 2/9 1/14 1/20	0/7
8	BH49452	64		7/7
9	WR229593	4	1/15 1/16 1/18 2/19 1/20	1/7
10		1	4/9 2/10 1/19	0/7
11		0.5	4/9 1/10 1/14 1/20	0/7
12	BH50357	64		7/7
13	WR236761	4	1/15 1/17 1/18 2/19 1/20	1/7
14		1	1/7 2/8 1/11 2/16 1/17	0/7
15		0.5	4/8 1/9 1/10	1/7
16	BH78711	64		7/7
17	WR232716	4	1/19	6/7
18		1	2/9 1/12 1/13 1/15 2/22	0/7
19		0.5	3/9	4/7
20	BJ01662	64	1/17 1/20 1/29	4/7
21	WR237536	4	2/8 1/10 1/18 2/19 1/20	0/7
22		1	4/9 1/10 1/11 1/14	0/7
23		0.5	1/8 5/9	1/7
24	CONTROL	0	2/7 3/8 1/11 1/12	0/7
25	MEFLOQUINE	128	1/10	6/7

(Experiment 815)

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
7	CONTROL	0	5/8 2/9	0/7
8	BH49416	64		7/7
9		4	1/10 3/11 1/12 1/19 1/22	0/7
10		1	1/11 2/12 1/13 1/20 1/21	0/6
11		0.5	3/9 2/10 2/17	0/7
12	BH49443	64	1/8 1/11 1/27	4/7
13		4	1/14 1/17 2/19 1/21 1/23 1/29	0/7
14		1	1/8 1/9 1/10 2/16 1/17 1/19	0/7
15		0.5	1/8 4/9 1/10 1/13	0/7
16	WR227825	0.5		7/7
17	BH35430	0.125	1/14 2/15 1/16 1/17 1/18 1/27	0/7
18		0.0315	2/9 1/10 1/15 1/16 1/17 1/19	0/7
19	WR227825	0.0158	1/12 1/14 1/15 1/18 2/19 1/21	0/7
20	BH35430	0.5		7/7
21		0.125	1/16 2/19 1/20 1/25	2/7
22		0.0315	1/9 3/16 1/17 1/20 1/22	0/7
23		0.0158	1/8 1/15 2/16 1/18 2/21	0/7
24	MEFLOQUINE	64	1/22 1/25 1/30	4/7
25		0	4/8 2/9	1/7

(Experiment 814)

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
8	PYROLO	0.25	1/15 3/16 1/18 1/21	1/7
9		0.125	1/11 1/15 2/18 1/19 2/27	0/7
10		0.0625	1/13 1/15 2/16 1/20 1/21 1/22	0/7
11		0.0315	1/8 1/9 1/10 1/13 1/15 1/29	1/7
12	SULFADIAZINE	1	1/10 1/13 2/17 1/20	2/7
13		0.5	4/8 1/9 1/20 1/23	0/7
14		0.25	1/8 5/9 1/13	0/7
15		0.125	4/8 2/9 1/10	0/7
16	PYROLO +	0.25 + 1	1/9 1/20	5/7
17	SULFADIAZINE	0.125 + 1	1/21 1/28	5/7
18		0.0625 + 1	1/14 1/16 1/17 1/28	3/7
19		0.0315 + 0.125	1/12 1/14 2/16 2/17 1/20	0/7
20	PYROLO +	0.25 + 0.5	1/28	6/7
21	SULFADIAZINE	0.125 + 0.25	1/17	6/7
22		0.0625 + 0.125	2/15 1/16 1/18 1/20	2/7
23		0.0315 + 0.0625	1/14 1/17 1/20 3/21 1/24	0/7
24	PYROLO +	0/5 + 2		7/7
25	SULFADIAZINE	0/5 + 1		7/7

(Experiment 784)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIES	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	MM-Line	3/7 2/8 1/9 1/10	0/7
2	Sulfadiazine BG59677	4				2/10 1/13 3/18 1/21	0/7
3		1				1/9 2/11 2/18 1/19 1/22	0/7
4		0.25				1/7 1/8 2/9 3/10	0/7
5		0.0625				1/7 1/8 4/9 1/11	0/7
6	Quinacrine AU96336	4				1/9 2/10 1/12 1/13 1/16 1/17	0/7
7		1				3/7 2/8 2/9	0/7
8		0.25				1/7 5/8 1/9	0/7
9		0.0625				2/7 1/8 4/9	0/7
10	Arteether BL48816	4				4/8 2/9 1/11	0/7
11		1				1/7 2/8 3/9 1/10	0/7
12	Sulfadiazine BG59677	4	SC	Oil		1/12 1/13 1/14 2/18 1/19 1/20	0/7
13		1				1/8 1/9 1/10 1/12 1/17 1/18 1/20	0/7
14		0.025				2/8 3/9 1/10 1/25	0/7
15		0.0625				5/8 2/9	0/7
16	Quinacrine AU96336	4				1/8 5/9 1/18	0/7
17		1				2/7 3/8 1/9 1/10	0/7
18		0.25				2/7 3/8 2/9	0/7
19		0.0625				3/8 4/9	0/7
20	Arteether BL48816	4				1/7 1/8 2/9 1/10 1/16 1/18	0/7
21		1				1/7 4/8 2/9	0/7

(Experiment 782)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
		3X					
4	Control	0			Mefloquine-Resistant line	2/12 2/15 1/16 2/19	0/7
5	Phenanthramine 30502	256				2/19 1/24 1/28	3/7
6		64				1/17 1/18 1/20 3/21 1/26	0/7
7		32				1/16 1/17 1/18 1/19 2/20 1/21	0/7
8		16				3/18 1/20 1/22 2/23	0/7
9		4				1/15 1/17 1/18 2/19 1/20 1/21	0/7
10		1				1/15 3/16 1/18 1/19 1/21	0/7
11		0.25				1/8 1/13 1/17 1/19 2/21 1/28	0/7
12	Mefloquine	256				1/9 1/12 1/28 1/38	3/7
13		64				1/20 2/21 1/22 1/26 1/32	1/7
14		32				1/18 3/19 2/20 1/21	0/7
15		16				2/17 2/18 2/20 1/21	0/7
16		4				1/12 1/13 1/15 2/16 1/18 1/19	0/7
17		1				2/12 1/14 1/15 1/18 1/19 1/20	0/7
18		0.25				1/12 2/15 1/16 1/17 1/18 1/19	0/7
19	Control	0			C-line	1/15 4/17 1/20 1/21	0/7
20	30502	256				1/25 2/27 1/32	3/7
21	Phenanthramine	64				1/27 1/28 1/35	4/7
22		32				1/25 1/32	5/7
23		16				1/23 1/26	5/7
24		4				1/16 2/17 1/18 1/20 1/27	6/6
25		1				1/15 1/18 1/19 1/20	3/7
26		0.25				1/15 1/16 1/17 2/18 1/19 1/21	0/7
27	Chloroquine	128				2/17 1/18 2/19 1/21	1/7
28		64				1/15 1/17 1/18 2/20 1/21 1/28	0/7
29		32				1/17 2/18 2/20 1/45	1/7
30		16				1/15 1/18 1/19 3/21 1/22	0/7

(Experiment 782)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
#	#				LINE		
31		3X				1/17 1/18 1/20 3/21 1/22	0/7
32		4				2/17 2/18 1/20 2/28	0/7
		1					

(Experiment 781)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
		3X					
4	Control	0			MM Pb-line	4/8 3/9	0/7
5	WR102796 BC78878	64				3/18 1/21 1/22	2/7
6		16				1/15 2/18 1/19 1/21 1/23 1/32	0/7
7		4				1/15 2/16 2/17 1/21 1/26	0/7
8		1				1/11 3/13 1/15 1/21 1/25	0/7
9		0.25				6/9 1/15	0/7
10		0.062				2/8 4/9 1/10	0/7
11	WR228258 BJ23346	16				1/26	6/7
12		4				1/28	6/7
13		1				1/17 1/28 1/39	4/7
14		0.25				2/8 2/9 1/15 2/23	0/7
15	WR228258 BJ23346	16	SC	Oil		1/22 1/29	5/7
16		4					7/7
17		1				1/21 1/26 1/27 1/29 1/32 1/34	1/7
18		0.25				2/9 2/15 1/16 1/17 1/23	0/7
19	WR102796 BC78878	64					7/7
20		16				1/31	6/7
21		4				1/19	6/7
22		1					7/7
23		0.25				1/10 1/11 1/15 2/19 1/23 1/29	0/7
24		0.062				4/9 1/11 1/13 1/15	0/7

(Experiment 778)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
7	Control	0			MM-line	1/6 2/8 2/9 2/10	0/7
8	Penantramine #3	128 64					7/7
9	503					1/23 1/32	5/7
10		16				1/9 1/10 1/13 1/16 1/18 1/20 1/21	0/7
11		4				3/8 2/9 1/11 1/12	0/7
12		1				1/7 5/8 1/11	0/7
13		0.25				2/7 5/8	0/7
14	Control	0	SC	Oil		1/7 3/8 2/9 1/12	0/7
15	Penantramine #3	128 64				1/25 1/25 1/32	6/7 5/7
16	503						
17		16				6/8 1/9	0/7
18		4				3/8 3/9 1/14	0/7
19		1				6/8 1/13	0/7
20		0.25				3/7 3/8 1/9	0/7
21	Pyrimethamine	128	PO			4/4	3/7
22	WR238605	16	SC				7/7
23	Primaquine	16	SC			2/14 1/15 3/16	1/7
24	Arteether	256	SC				7/7
25	WR148999	256	SC				7/7

(Experiment 759)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	Sterile H ₂ O	MM-Line	7/8 1/9	0/8
2	WR279359 BM114904	128				1/19	6/7
3	Complex w/ Cyclodextran	64				1/16 1/20 1/21 2/27	2/7
4	used BM11609 DHA	32				3/15 1/19 2/24	1/7
5		16				1/11 1/12 1/14 1/15 1/16 1/20 1/22	0/7
6		8		HEC		1/8 2/9 3/10 1/12	0/7
7		4				4/8 1/9 2/10	0/7
8	BL35784	128				1/17 1/19 1/24 1/26	3/7
9	PURE DHA	64				3/16 1/17 1/24 1/27	1/7
10		32				1/12 2/13 1/21 1/23 2/24	0/7
11		16				1/9 1/10 1/11 1/12 1/15 1/19 1/28	0/7
12		8				2/8 3/9 1/12 1/13	0/7
13		4				5/8 2/9	0/7
14	WR279359 BM14904	128	IP	Sterile H ₂ O		1/19 1/27	5/7
15	Complex w/ Cyclodextran	64				2/18	5/7
16	used BM11609 DHA	32				3/15 1/16 1/21 1/22 1/23	0/7
17		16				2/15 1/19 1/21 1/22 1/23 1/24	0/7
18		8				1/11 1/12 2/13 1/15 1/24 1/27	0/7
19		4				4/9 1/10 1/12 1/20	0/7
20	BL35784 Pure drug	128		HEC		1/16	6/7
21		64				1/16 1/19	5/7
22		32				1/15 1/18 1/24 1/26 1/30	2/7
23		16				1/14 1/15 1/21 1/23 2/24 1/26	0/7

(Experiment 759)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE/	NO. MICE ALIVE
#	#				LINE	DAY DIED	DAY + 60/TOTAL
24		3X				1/12 1/13 1/14 1/20 1/21 1/22 1/24	0/7
25		8				1/10 4/11 1/12 1/19	0/7
		4					

(Experiment 757)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	SC	Oil	MM-Line	3/7 2/8 2/9	0/7
2	Mefloquine BG14436	512				1/10	3/4
3		128				1/25	6/7
4		32				1/16 3/18 1/19 1/27 1/28	0/7
5		8				2/12 1/15 2/16 2/18	0/7
6	Cyclodextran complex w/ Mefloquine	512				1/6 1/19 1/27	1/4
7	BM14806	128				2/18 1/19 1/23 1/34	2/5
8		32				2/16 2/17 1/18 1/19	1/7
9		8				2/8 1/9 1/14 1/16 2/18	0/7
10	WR279312 BM14436	200				1/9 2/11 1/14	0/4
11		100				2/8 2/9	0/4
12		25				3/8 4/9	0/7
13		6.25				1/7 2/8 3/9 1/10	0/7
14	Control	0	PO	HEC		2/7 4/8 1/9	0/7
15	WR279312 BM14244	200				1/7 1/9 1/13 1/15	0/4
16		100				1/7 2/8 1/15	0/4
17		25				3/7 3/8 1/10	0/7
18		6.25				4/7 1/8 2/9	0/7
19	BM14244	300				1/12 1/13 2/28	0/4
20		75				1/7 1/8 2/9 1/10 1/11 1/14	0/7
21		18.8				4/7 1/8 1/9 1/10	0/7
22	BM13005	300				2/15 1/21 1/25	0/4

(Experiment 757)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
23		3X				1/8 3/9 3/10	0/7
24		75				5/8 2/9	0/7
		18.8					
25	Mum267717	160	SC	Oil		2/8 3/9	0/5
	BM13792						
26		40				1/7 2/8 2/9	0/5
27		10				1/7 2/8 1/10 1/13	0/5

(Experiment 755)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	MM-line	2/7 5/8	0/7
2	WR113618 AX89489	2048				3/3	0/3
3		1024				2/3 1/4	0/3
4		512				1/2 4/4 1/5 1/6	0/7
5		256				1/4	6/7
6		128					7/7
7		64					7/7
8		32					7/7
9		8				1/20	6/7
10	BM10997	320				4/7 2/8 1/9	0/7
11		80				3/7 4/8	0/7
12		20				5/7 2/8	0/7
13		0	SC		Oil	4/7 1/8 2/9	0/7
14	BM10997	320				3/7 4/8	0/7
15		80				1/7 5/8 1/13	0/7
16		20				2/7 4/8 1/9	0/7
17	WR113618 AX89489	2048				3/3	0/3
18		1024				3/3	0/3
19		512				7/3	0/7
20		256				6/3 1/4	0/7
21		128				2/3 4/4	1/7
22		64				2/4	5/7
23		32				1/3 1/4 1/5 1/6 1/7	2/7
24		8				1/18 3/19 1/20 1/23	1/7

(Experiment 750)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	P-Line	5/7	
2	BL50129 QHS	8				3/7 2/8 2/9	0/7
3		2				4/7 1/8 2/9	0/7
4		0.5				2/7 3/8 2/9	0/7
5		0.125				3/7 2/8 2/9	0/7
6	WR238605	1				1/22	6/7
7		0.5				2/20	5/7
8		0.25				2/7 3/8 1/9 1/25	0/7
9		0.125				2/7 3/8 2/9	0/7
10		0.0625				4/7 1/8 2/9	0/7
11	(16:1) QHS + WR238605	8 + 0.5				1/20 1/23	5/7
12		4 + 0.25				3/7 1/20 1/27 1/28	1/7
13		2 + 0.125				3/7 2/8 2/9	0/7
14		1 + 0.0625				1/7 3/8 3/9	0/7
15	(8:1) QHS + WR238605	4 + 0.5				1/17 1/18 1/23	4/7
16		2 + 0.25				1/8 1/9 1/20	4/7
17		1 + 0.125				3/7 2/8 2/9	0/7
18		0.5 + 0.0625				5/7 1/8 1/9	0/7

(Experiment 744)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	SC	HEC	MM-Line	5/8 1/9 1/10	0/7
2	WR99210	16					7/7
3	AU20967	8				1/16 1/26	5/7
4		2				1/15 1/16 2/18 1/19 1/20 1/23	0/7
5		0.5				1/7 1/11 1/14 4/16	0/7
6		0.125				1/7 3/8 2/9 1/12	0/7
7	Sulfadiazine	4				2/13 1/14 2/15 1/16 1/23	0/7
8	BG59677	1				1/13 1/15 1/16 1/19 1/21 1/22	0/7
9		0.25				1/7 1/8 1/9 1/13 1/14 1/18	1/7
10		0.125				1/7 5/8 1/10	0/7
11	99210 +	8 + 1				1/22	6/7
12	Sulfadiazine	2 + 0.25				2/16 3/17 1/21 1/24	0/7
12		0.5 + 0.06				1/9 1/15 2/16 1/18 1/20 1/21	0/7
14		8 + 4					
15		2 + 1				3/16 1/28	3/8
16		0.5 + 0.25				2/12 1/16 1/18 2/21 1/22	0/7
17	Brown Vial	0.2	PO			6/4 1/5	0/7
18	Mexico	0.1				2/4 1/5 2/6 1/7 1/16	9/7
19		0.05				3/8 1/9 2/12 1/15	0/7
20		0.025				2/7 4/8 1/9	0/7
21		0.0125				6/8 1/9	0/7

(Experiment 734)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	P-Line	5/7 2/8	0/7
	New						
2	Phenanthramine BM30502	256				1/4	6/7
3		64					7/7
4		16					7/7
5		4				1/18	6/7
6		1				2/7 1/9 1/10 1/18 1/22 1/24	0/7
7	Halofantrine BK64002	16				1/22	5/6
8		4				1/18 1/21 1/22 1/23	3/7
9		1				3/18 1/21	3/7
10	Mefloquine BK11592	16				1/20 1/21	5/7
11		4				1/16 1/23	5/7
12		1				4/7 1/8 2/9	0/7
13	Control	0	SC	Oil		4/7 2/8 1/9	0/7
	New						
14	Phenanthramine BM30502	256					7/7
15		64					7/7
16		16					7/7
17		4				1/22	6/7
18		1				3/7 1/9 1/13 1/14 1/27	0/7
19	Halofantrine BK64002	16					7/7
20		4					7/7
21		1				1/11 1/14 1/19 1/21	3/7

(Experiment 734)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
		3X					
22	Mefloquine BK11592	16				1/21	6/7
23		4				3/13 1/19 1/20 2/22	0/7
24		1				5/7 2/8	0/7

(Experiment 733)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	MM-Line	1/7 3/8 3/9	0/7
2	AW23860 Quinine	2048				3/3 4/4	0/7
3		1024				1/4 1/16 1/19 1/21 1/29	2/7
4		512				1/4 2/16 2/19 1/21 1/38	0/7
5		256				1/12 1/16 1/18 1/20 2/21 1/22	0/7
6		128				2/9 2/16 2/17 2/17 1/21	0/7
7		64				2/8 2/9 1/10 1/11 1/12	0/7
8		32				6/8 1/9	0/7
9		16				1/8 6/9	0/7
10		8				4/8 2/9 1/10	0/7
11		4				3/7 2/8 2/9	0/7
12	BL55868 Na Artelinate	2048				1/8	6/7
13		1024					7/7
14		512					7/7
15		256				1/18 2/21	4/7
16		128				3/15 1/16 1/20 1/26	1/7
17		64				3/15 2/16 1/24 1/26	0/7
18		32				3/11 1/13 1/16 2/24	0/7
19		16				5/9 1/11 1/13	0/7
20		8				1/7 3/8 2/9 1/11	0/7
21		4				2/7 3/8 2/9	0/7
22	Control	0	IV	Sterile Physiological Saline		4/7 1/8 2/9	0/7
23	Quinine AW23860	512				7/3	0/7
24		256				7/3	0/7
25		128				5/3	0/7
26		64				2/8 3/9 1/16 1/17	0/7
27		32				5/8 2/9	0/7
28		16				2/8 5/9	0/7
29		8				2/7 2/8 3/9	0/7
30		4				1/7 4/8 1/9 1/10	0/7

(Experiment 733)

31	BL55866 Na Artelinate	512					7/3		0/7
32		256					4/6 1/7 1/8 1/20		0/7
33		128					3/9 1/10 1/11 1/14 1/21		0/7
34		64					2/9 1/11 2/19 2/20		0/7
35		32					1/8 4/9 1/10 1/20		0/7
36		16					1/7 1/8 4/9 1/12		0/7
37		8					4/7 1/9 2/10		0/7
38		4					3/7 2/8 2/9		0/7

(Experiment 731)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE DAY DIED	NO. MICE ALIVE DAY + 60/TOATL
		3X					
1	Control	0	PO	HEC	MM Line	2/8 5/9	0/7
2	AU96336	256					7/7
	Quinacrine						
3		64					7/7
4		16				1/19 1/20	5/7
5	BG59677	64				2/14 1/15 2/16 1/17 1/23	0/7
	Sulfadiazine						
6		16				3/14 1/15 1/16 1/17	0/6
7		4				1/12 1/13 2/14 1/15 1/16 1/18	0/7
8		1				1/10 1/11 1/14 1/17 1/19 1/20 1/22	0/7
9	AU76138	64				1/9 2/14 1/18 1/19 2/20	0/7
	Cycloguanil						
10		16				1/9 3/10 2/11 1/15	0/7
11		4				1/8 4/9 1/11 1/13	0/7
12		1				1/8 4/9 2/10	0/7
13	Control	0	SC	Oil		4/8 3/9	0/7
14	AU96336	256				1/45	6/7
	Quinacrine						
15		64				1/22	6/7
16		16				1/18 1/19 1/20 1/27	3/7
17	BG59677	64				2/18 2/20 2/21 1/41	0/7
	Sulfadiazine						
18		16				1/17 1/18 3/27 1/28 1/31	0/7
19		4				1/10 1/14 2/15 1/20 1/21 1/26	0/7
20		1				2/9 2/14 1/18 1/21 1/22	0/7
21	AU76138	64					7/7
	Cycloguanil						

(Experiment 731)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE	NO. MICE ALIVE
#	#				LINE	DAY DIED	DAY + 60/TOATL
22		3X					7/7
23		16					
24		4				2/19 1/20 2/22 1/28 1/39	0/7
		1				3/9 2/10 1/11 1/20	0/7

(Experiment 729)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
		3X					
1	Control	0	PO	HEC	Halofantrine Resistant line	1/11 1/18 1/19	4/7
2	Halofantrine BK64002	256					7/7
3		64					7/7
4		16					7/7
5	Arteether BL48816	256				1/24 1/37	5/7
6		64				1/16 1/19 1/21	4/7
7		16				1/19 1/20	5/7
8		4				1/13 1/21 1/22	4/7
9	Na artelinate BL55866	256				1/18 1/23	5/7
10		64				1/16 1/18 2/20	3/7
11		16				1/11 1/14 1/19 1/20 1/23	2/7
12		4				1/19 1/20 1/21	4/7
13	Sulfadoxine ZP27829	16				1/6 1/20 1/23	4/7
14		4				1/19 2/20	5/7
15		0			Mefloquine Resistant line	4/7 3/10	0/7
16	Mefloquine BK11592						7/7
17						1/6	6/7
18						1/19 1/25	5/7
19						1/21	6/7

(Experiment 727)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	Halofantrine Resistant Line	2/11 1/14 2/15 2/20	0/7
2	Halofantrine BK64002	256					7/7
3		64					7/7
4		16				1/9	6/7
5	Chloroquine BK58705	256					7/7
6		64				1/17 1/18	5/7
7		16				2/16 1/17 1/18 1/21	2/7
8	Mefloquine BK11592	256				1/19	6/7
9		64					7/7
10		16					7/7
11	Quinine AW23860	256				1/11 1/19	5/7
12		64				1/18 1/20 1/22	4/7
13	Control	0			Mefloquine Resistant line	1/6 1/7 5/8	0/7
14	Halofantrine BK64002	256					7/7
15		64				1/5	7/7
16		16					6/7
17	Chloroquine BG58705	256				3/15 1/17 2/18 1/19	0/7
18		64				1/13 1/15 2/18 1/25	2/7
19		16				1/11 1/15 1/16 1/20 1/25	2/7
20	Mefloquine	256				1/21	6/7

(Experiment 727)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
	BK11592	3X					
21		64					7/7
22		16				1/20 2/21 1/22	3/7
23	Quinine AW23860	256				1/13 3/14 1/17 1/18 1/19	0/7
24		64				1/10 1/11 1/12 1/13 1/16 1/19	1/7

(Experiment 718)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
		3X					
1	Control	0	PO	HEC	MM-Line	5/8 2/9	0/7
2	Mefloquine BK11592	512				1/8 1/9 1/27 1/31 1/35 1/48 1/52	0/7
3		256				1/24 1/26 1/27 1/40	3/7
4		64				1/22	6/7
5	Halofantrine BK64002	256					7/7
6	Quinine AW23860	1024				3/4 1/5 1/6 1/27 1/34	0/7
7		512				1/5 1/16 1/24 1/27 1/30 1/34	1/7
8	Pyrimethamine AG65046	256				1/7 1/20	5/7
9		64				1/13 1/15 1/19 1/22 1/24 1/28	1/7
10		16				1/14 1/17 2/18 1/20 1/27 1/31	0/7
11		4				2/10 1/13 3/18 1/19	0/7
12	Halofantrine BK64002	256	SC	HEC			7/7
13	Quinine AW23860	1024				1/4 1/19 1/20	4/7
14		512				1/4 1/18 1/28	4/7
15	Pyrimethamine AG65046	256					7/7
16		64				1/26 1/27	5/7
17		16				1/14 1/18 2/30 1/34	2/7
18		4				2/9 1/10 2/13 1/17 1/18	0/7
19	WR238605	64				1/15 1/22 1/26 2/27	2/7

(Experiment 718)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
	BK73252	3X					
20		16					7/7
21		4				1/13 2/14 1/15 1/16 1/18 1/19	0/7
22		1				1/8 3/9 3/13	0/7

(Experiment 717)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO.DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
		3X					
1	Control	0	PO	HEC	R/P. Line	2/7 2/8 2/9 1/23	0/7
2	BJ91326	64				2/20 1/21 3/22	1/7
3		16				1/9 1/18 1/20 2/23	2/7
4		4				2/7 4/8 1/11	0/7
5		1				2/7 1/8 1/9 2/28 1/29	0/7
6	Pyrimethamine AG65046	16				1/24 1/28	5/7
7		4				1/14 1/24	5/7
8		1				1/22 1/25	5/7
9		0.25				2/20 1/23	4/7
10	Sulfadiazine B659677	16				1/24	6/7
11		4				2/24	5/7
12		1				2/22 2/23	3/7
13		0.25				1/16 1/20	5/7
14	99210 + Sulfadiazine	16. + 4				1/21 1/23 1/24 1/26	3/7
15	AG65046	4 + 1				1/18 1/21	5/7
16		1 + 0.25				1/8 2/18 1/20 1/23	2/7
17	99210 + Sulfadiazine	16 + 4				1/16 1/26 1/28 1/31	3/7
18	B659677	4 + 1				1/9 1/20 1/23	4/7
19		1 + 0.25				1/6 1/7 1/18 1/22	3/7
20	99210 + Pyrimethamine	16 + 1				1/18 1/20 1/21	4/7
21	AG65046	4 + 0.25				3/20 1/21	3/7
22		1 + 0.0625				2/6 1/11 1/17 2/18 1/21	0/7

(Experiment 717)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
		3X					
23	99210 + Sulfadiazine	16 + 0.25				1/20 2/21 1/22 2/25 1/28	0/7
24	B659677	4 + 0.0625				1/6 1/10 1/21 1/23	3/7

GROUP #	DRUG #	MKD	AVG. PARA. DAY + 6
1	Control	0	51.1
2	BJ91326	64	0.4
3		16	2.5
4		4	62.9
5		1	53.5
6	Pyrimethamine AG65046	16	0
7		4	0
8		1	0
9		0.25	0.9
10	Sulfadiazine B659677	16	0
11		4	0
12		1	0
13		0.25	0.4
14	99210 + Sulfadiazine	16 + 4	0
15	AG65046	4 + 1	0.001
16		1 + 0.25	0.001
17	99210 + Sulfadiazine	16 + 4	0
18	B659677	4 + 1	0
19		1 + 0.25	0.3
20	99210 + Pyrimethamine	16 + 1	0.01
21	AG65046	4 + 0.25	0.3
22		1 + 0.0625	1.9

(Experiment 717)

GROUP #	DRUG #	MKD 3X	AVG. PARA. DAY + 6
23	99210 + Sulfadiazine	16 + 0.25	0.2
24	B659677	4 + 0.0625	6

(Experiment 716)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	PV	3/7 2/8 1/9 1/10	0/7
2	Chloroquine BG58705	128			Drug-sensitive	1/18 2/19 1/20 1/26	2/7
3		64				4/17 1/18 1/29 1/33	0/7
4		16				2/15 3/16 1/17 1/24	0/7
5		4				1/9 1/10 1/11 1/12 2/19 1/20	0/7
6	Mefloquine BK64002	64				1/20 1/21 1/22	4/7
7		16				2/17 2/18 1/19 1/24 1/30	0/7
8		4				3/16 1/18 1/19 2/21	0/7
9	Halofantrine BK64002	64					7/7
10		16				1/20 1/33	5/7
11		4				2/17 2/18 1/20 1/34	1/7
12		1				1/10 1/11 1/18 1/20 1/21 2/22	0/7
13	Control	0			PVc chloroquine Resistant	4/7 3/8	0/7
14	Chloroquine BG58705	128				1/4 1/5 1/13 1/15 1/18	2/7
15		64				1/5 1/12 1/13 2/14 1/22	1/7
16		16				1/15 2/18 1/20	3/7
17		4				1/10 1/16	5/7
18	Mefloquine BK71592	128				1/18	6/7
19		32				1/17	6/7
20		8				1/16 1/18 1/19	4/7
21	Halofantrine BK64002	128					7/7

(Experiment 716)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
22		3X					7/7
23		32					7/7
24		8					4/7
		2				1/14 2/16	

(Experiment 715)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	M M-Line	4/8 1/9 2/10	0/7
2	BE96296	1024				1/8 1/9 1/16	0/3
3		512				1/8 1/10 1/19	0/3
4		256				2/7 3/8 1/9 1/19	0/7
5		64				3/8 1/9 1/10 1/17 1/37	0/7
6		16				1/7 4/8 2/9	0/7
7		4				3/8 3/9 1/10	0/7
8	Halofantrine BK64002	2048				2/10 2/11 1/12 1/14 1/16	0/7
9	Quinine AW23860	1024				1/3 4/4 1/5	1/7
10	Pyrimethamine AG65046	512				7/3	0/7
11	Quinacrine AU96336	1024				2/4 5/7	0/7
12		512					
13	Control	0	SC	Oil		3/7 3/8 1/10	0/7
14	BE96296	1024				1/8 2/19	0/3
15		512				2/8 1/22	0/3
16		256					
17		64					
18		16					
19		4					
20	Halofantrine BK64002	2048					

(Experiment 715)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
21	Quinine	3X					
	AW23860	1024					
22	Pyrimethamine	512					
	AG65046						
23	Quinacrine	1024					
	AU96336						
24		512					
25	Phenanthramine	512	PO	HEC			

(Experiment 714)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60 TOTAL
1	Control	0	PO	HEC	C-Line	1/16 1/17 1/18 1/19 1/21 1/23 1/26	0/7
2	Phenanthramine	128			Chloroquine Resistant	1/5	6/7
3		64					7/7
4		16				1/30	6/7
5		4				1/10 1/41	5/7
6		1				1/14 1/17 1/18 1/20 1/24	2/7
7		0.25				1/17 1/18 1/20 2/22 1/25 1/26	0/7
8	Chloroquine AU29891	128				3/18 1/19 1/22	2/7
9		64				1/16 1/17 1/20 1/21 2/24 1/26	0/7
10		16				2/16 1/18 1/20 1/21 1/24 1/25	0/7
11		4				1/15 1/17 3/18 2/21	0/7
12		1				1/13 1/17 2/20 1/21 1/22 1/24	0/7
13	Control	0	PO		A-Line	2/10 1/17 1/18 1/19 1/20 1/21	0/7
14	Phenanthramine	128			Mefloquine Resistant	1/4 1/5 1/20 1/25	3/7
15		64				2/8 1/21 1/22	3/7
16		16				1/12 1/15 1/18 1/19 2/20 1/22	0/7
17		4				1/8 2/19 1/20 1/21 2/22	0/7
18		1				3/19 1/21 1/22 2/26	0/7
19		0.25				1/11 1/17 1/19 2/20 1/22 1/26	0/7
20	Mefloquine BK11592	128				1/5 1/22	5/7
21		64				1/17 2/19 1/20 2/22 1/25	0/7
22		16				2/16 1/17 1/18 1/19 1/22 1/26	0/7
23		4				4/18 1/19 1/20 1/22	0/7
24		1				1/12 1/17 1/20 1/24 1/25 2/27	0/7

GROUP #	DRUG #	MKD	AVERAGE PARASITEMIA			
			DAY + 6	DAY + 13	DAY + 20	DAY + 27
1	Control	0	1.2	40.3	79.3	DEAD
2	Phenanthramine	128	1	0.01	0	0
3		64	1.5	0.2	4.9	9.3
4		16	0.7	0.3	11	47.3
5		4	0.2	2.1	31	46.8
6		1	1.5	33.1	70	57
7		0.25	2.3	40.4	72.8	59
8	Chloroquine	128	1.5	30.7	69	53
	AU29891					
9		64	2.5	43.7	61.5	57
10		16	2.1	37	72	DEAD
11		4	2.1	47.3	57.5	DEAD
12		1	1.9	34.3	60	DEAD
13	Control	0	15.8	64.6	84	DEAD
14	Phenanthramine	128	5.4	40.4	90.8	88.7
15		64	11.5	51.1	86.2	73
16		16	6.6	57.7	78	DEAD
17		4	5.6	45.3	70.5	DEAD
18		1	6.9	55.1	69.5	DEAD
19		0.25	13.1	56.3	71	DEAD
20	Mefloquine	128	6.8	46.2	68.9	75.6
	BK11592					
21		64	4.9	46.7	73.3	DEAD
22		16	7.9	43.7	70.5	DEAD
23		4	4.6	54.1	55	DEAD
24		1	6.5	48.5	75.3	DEAD

(Experiment 713)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	M-M Line	3/7 2/8 2/9	0/7
2	BM10586	2048					3/3
3		1024					3/3
4		512					3/3
5		256					7/7
6		128					7/7
7		64				1/23 1/24	5/7
8		32					7/7
9		12				1/20 1/27 1/28 1/29	3/7
10		8				2/11 2/14 1/16	2/7
11		4				2/7 3/8 2/9	0/7
12	Chloroquine AU29891	1024				2/4 1/5	0/3
13		512				1/19	2/3
14		256					7/7
15		128				1/16 1/17 1/19 1/21 1/22	2/7
16		64				1/17 3/18 1/23 1/24 1/28	0/7
17		32				2/16 2/17 1/18	2/7
18		12				1/14 3/16 1/24 2/25	0/7
19		8				1/14 1/15 1/17 2/25 1/27 1/28	0/7
20		4				1/9 3/10 2/11 1/16	0/7
21	Control	0	SC	Oil		2/8 4/9 1/10	0/7
22	BM10586	2048				1/24	2/3
23		1024					3/3
24		512					7/7
25		256					7/7
26		128				1/41	6/7
27		64				1/29	6/7
28		32				1/11 1/13 2/14 2/16 1/32	0/7
29		12				3/7 1/8 1/9 1/14 1/20	0/7

(Experiment 713)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
		3X					
30		8				2/7 3/8 2/9	0/7
31		4				2/7 4/8 1/9	0/7
32	AU29891	1024				3/3	0/3
33		512				3/3	0/3
34		256				4/4 1/7 1/19	1/7
35		128				1/4 1/17 2/18 2/19	1/7
36		64				2/16 2/17 1/18 1/19 1/21	0/7
37		32				2/15 3/16 1/17 1/18	0/7
38		12				3/14 3/15 1/16	0/7
39		8				2/12 3/14 2/16	0/7
40		4				2/10 1/19 1/20 1/22 1/24 1/29	0/9
41	Halofantrine	1024	PO	HEC		1/10 1/12 1/13	1/4
42	BK64002	512					4/4
43	Halofantrine	1024	SC	Oil			4/4
44	BK64002	512					4/4
45	Mefloquine	1024	PO	HEC		1/8 1/9 1/10 1/11	1/4
	BK11592						
46	Mefloquine	1024	SC	Oil		1/5 1/13 1/16	1/4
	BK11592						

GROUP #	DRUG #	MKD 3X	AVG. PARA. DAY + 6
1	Control	0	70
2	BM10586	2048	0
3		1024	0
4		512	0
5		256	0
6		128	0
7		64	0
8		32	0
9		12	0
10		8	4.8
11		4	59.1
12	Chloroquine AU29891	1024	DEAD
13		512	0
14		256	0
15		128	0
16		64	0
17		32	0
18		12	0
19		8	0
20		4	0.4
21	Control	0	37.7
22	BM10586	2048	0
23		1024	0
24		512	0
25		256	0
26		128	0
27		64	0
28		32	3.7
29		12	62.7

GROUP #	DRUG #	MKD 3X	AVG. PARA. DAY + 6
30		8	72
31		4	64.3
32	AU29891	1024	
33		512	
34		256	
35		128	
36		64	
37		32	
38		12	
39		8	
40		4	
41	Halofantrine	1024	
42	BK64002	512	
43	Halofantrine	1024	
44	BK64002	512	
45	Mefloquine BK11592	1024	
46	Mefloquine BK11592	1024	

(Experiment 712)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	CONTROL	0	PO	HEC	NL line		7/7
2	QHS	64					7/7
3	BL50129	16					7/7
4		6					7/7
5	Quinacrine	16					7/7
6	AU96336	4					7/7
7		1					7/7
8		0.25					7/7
9	BK73252	32				1/10 1/11 2/18 1/34 1/55	1/7
10		8					7/7
11		2					7/7
12		0.5					7/7
13	Control	0			R/P Line	4/8 2/9 1/13	0/7
14	QHS	16				1/18 2/10 1/20	3/7
15	BL50129	16				1/8 1/9 1/16 1/19 1/26	1/7
16		4				6/8 1/9	0/7
17	Quinacrine	16				1/27	6/7
18	AU96336	4				1/8 2/10 2/12 1/12 1/26	0/7
19		1				1/7 3/8 1/9 1/14 1/16	7/7
20		0.25				2/7 4/8 1/9	7/7
21	BK73252	16				1/8 1/16 1/34	4/7
22		4				1/28	6/7
23		1				1/8 1/18 2/27 1/28	0/7
24		0.25				2/7 4/8 1/12	0.7

(Experiment 711)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	Pb-Line	7/7	0/7
2	Phenanthramine	256				1/9 2/11 2/12 1/15	1/7
3		64					7/7
4		16				1/21 1/24	5/7
5		4				1/23	6/7
6		1				1/10 1/16 1/17 1/19	3/7
7	Halofantrine	16					
8	BK64002	4				1/19	6/7
9		1				1/11 1/18 1/19	4/7
10	Mefloquine	16					7/7
11	BK11592	4				1/9 1/11 2/12 2/23	1/7
12		1				6/7 1/9	0/7
13	Control	0	SC	HEC		7/7	0/7
14	Phenanthramine	256				1/11 1/18	5/7
15		64					7/7
16		16					7/7
17		4				1/15 1/21 1/23 1/24	3/7
18		1				1/7 3/8	3/7
19	Halofantrine	16				1/21	6/7
20	BK64002	4				1/24	6/7
21		1				2/8 1/12 1/14 1/19	2/7
22	Mefloquine	16				1/18 1/19 1/20	4/7
23	BK11592	4				3/7 1/8 1/9 1/12	1/7
24		1				6/7 1/8	0/7

(Experiment 711)

GROUP #	DRUG #	MKD	AVERAGE PARASITEMIA			
			DAY + 6	DAY + 13	DAY + 20	DAY + 27
1	Control	0	62.2	DEAD		
2	Phenanthramine	256	0.9	0.01	1	0
3		64	0.7	0.7	0.1	0
4		16	0.6	11.9	16.3	0
5		4	0.5	17	31.2	0
6		1	5	35	19.3	0.001
7	Halofantrine	16	0.01	7.4	10	0
8	BK64002	4	0.01	10.5	24.1	0.001
9		1	2.8	63.2	12.9	0
10	Mefloquine	16	0.01	58	6.2	0
11	BK11592	4	37.3	52	58.3	0
12		1	62.4	DEAD		
13	Control	0	69.1	DEAD		
14	Phenanthramine	256	0.06	0.9	0	0
15		64	0.001	0.8	0.4	0
16		16	0	13.2	10.7	0
17		4	0.5	27.8	45.2	0
18		1	52.7	41.7	61.7	28
19	Halofantrine	16	0.6	8.4	21	0.001
20	BK64002	4	0.01	23.9	9.2	0
21		1	43.6	48.3	48.5	35.8
22	Mefloquine	16	7.7	19.7	12.9	0
23	BK11592	4	58.6	46	34	0
24		1	59.6	DEAD		

(Experiment 710)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	CONTROL	0	PO	HEC	<i>P. yoelii</i> (NL)		7/7
2	BK11592	16					7/7
3		4					7/7
4		1					7/7
5		0.25				1/6	6/7
6	AW23860	256					7/7
7		64					7/7
8		16					7/7
9		4					7/7
10	ZP27829	4					7/7
11		1					7/7
12		0.25					7/7
13	CONTROL	0			<i>P. yoelii</i> (L)	6/7 1/9	0/7
14		16				1/22 1/26 1/33	4/7
15		4				1/16 2/20	4/7
16		1				5/7 1/8 1/21	0/7
17		0.25				4/7 1/9 2/11	0/7
18	AW23860	256				2/22 1/23 1/25 1/31	2/7
19		64				2/18 2/19 1/20 1/22 1/23	0/7
20		16				4/7 1/24	2/7
21		4				2/7 3/8 1/9 1/22	0/7
22	ZP27829	4				1/19	6/7
23		1					7/7
24		0.25				3/19 2/20 1/23	1/7

(Experiment 709)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
		3X			<i>P. yoelii</i> Non-lethal		
1	Control	0	PO	HEC			7/7
2	Chloroquine	128					7/7
3	BG58105	64					7/7
4		32					7/7
5		16					7/7
6		4					7/7
7		2					7/7
8		1					7/7
9	Halofantrine	16					7/7
10	BK64002	4					7/7
11		1					7/7
12		0.25			<i>P. yoelii</i> Lethal R/P		7/7
13	Control	0				5/7 2/8	0/7
14	Chloroquine	128				1/16 1/19 1/20 1/21	3/7
15	BG58705	64				2/20 2/21 1/25 1/44	1/7
16		32				2/19 1/21 2/25 1/27	1/7
17		16				1/16 1/19 1/20 1/21 1/23	2/7
18		4				1/19 1/21 1/23 1/32	3/7
19		2				3/7 4/8	0/7
20		1				4/7 3/8	0/7
21	Halofantrine	16				1/25	6/7
22	BK64002	4				1/13 1/21 1/22 1/23	3/7
23		1				1/19 3/20	3/7
24		0.25				1/6 2/7 3/8 1/10	0/7

(Experiment 709)

GROUP #	DRUG #	MKD	ROUTE	VEHICLE	PARASITE LINE <i>P. yoelii</i>	AVG. PARASITEMIA	
					Non-lethal	DAY + 13	DAY + 20
1	Control	0	PO	HEC		23.6	0
2	Chloroquine	128				1.6	0
3	BG58105	64				5.1	0
4		32				16	0.001
5		16				12.8	0
6		4				19	0
7		2				18.1	0.01
8		1				24.4	0.01
9	Halofantrine	16				0	0.01
10	BK64002	4				0.83	0
11		1				13.7	0.01
12		0.25			<i>P. yoelii</i>	22.1	0.01
					Lethal R/P		
13	Control	0				DEAD	
14	Chloroquine	128				58.4	
15	BG58705	64				58.3	
16		32				53.9	
17		16				54.6	
18		4				54.9	
19		2				DEAD	
20		1				DEAD	
21	Halofantrine	16				1.3	
22	BK64002	4				23.5	
23		1				36.7	
24		0.25				DEAD	

(Experiment 708)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	1/7 5/8 1/9	0/7
2	Chloroquine	1024			6/4 1/5	0/7
3	GB58705	512			1/8 3/9 2/10	1/7
4		256				7/7
5		64			1/6 2/7 1/18 1/19 1/23	1/7
6		16			1/14 3/15 1/16 1/17 1/26	0/7
7		4			1/10 1/14 1/18 1/19 1/20 1/22 1/24	0/7
8		2			1/10 1/13 2/18 1/19 1/20 1/21	0/7
9	Mefloquine	64			1/23 1/25 1/28 1/31	3/7
10	BK11592	16			1/18 1/22 1/26 1/28	3/7
11		4			1/10 1/11 2/20 3/22	0/7
12		1			2/7 4/8 1/9	0/7
13	Halofantrine	64			1/22 1/28 1/51	4/7
14	BK64002	16			1/20 1/33	5/7
15		4			1/15 1/17 3/19 1/20	1/7
16		1			1/9 1/12 1/18 4/19	0/7
17		0.25			6/8 1/9	0/7
18	Quinine	64			3/8 1/9 1/10 1/14 1/15	0/7
19	AW23860	16			1/7 4/8 1/9 1/10	0/7
20		4			2/7 4/8 1/9	0/7
21	WR238605	64			1/8 3/9 1/11 1/23	1/7
22	BK73252	16				7/7
23		4			1/17 1/19 1/22 1/23 1/33	2/7
24		1			2/13 2/16 2/17 1/21	0/7

(Experiment 707)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	2/8 2/10 1/13 1/14 1/22	0/7
2	WR238605	64			1/8 1/17 1/22	3/7
3	BK73252	16				7/7
4		4			1/20 2/21 1/22	3/7
5		1			4/8 1/10 1/15 1/19	0/7
6	Primaquine	64			1/25	6/7
7	BJ08241	16			1/20 1/22	5/7
8		4			1/19 1/21 1/23 1/27	3/7
9		1			1/9 1/14 2/19 1/21 1/25 1/29	0/7
10	Chloroquine	64			1/19 2/21	4/7
11	BG58705	16			1/19 1/23 1/26	4/7
12		4			1/17 1/19 1/20 1/26	3/7
13		1			3/7 1/8 1/11 1/17 1/27	0/7
14	Mefloquine	64				7/7
15	BK11592	16			1/19	6/7
16		4			2/22	5/7
17		1			1/8 3/13 1/18 1/20 1/21	0/7
18	Halofantrine	64				7/7
19	BK64002	16				7/7
20		4			1/22 1/30	5/7
21		1			1/19 2/22 1/25 1/26	2/7
22	Quinine	64			1/12 1/16 2/19 1/21 1/22 1/23	0/7
23	AW23860	16			2/7 1/8 1/20 1/25 1/26 1/28	0/7
24		4			1/7 2/8 1/9 1/10 1/13 1/20	0/7

(Experiment 707)

GROUP #	DRUG #	MKD 3X	AVERAGE PARASITEMIA			
			DAY + 6	DAY + 13	DAY + 20	DAY + 27
1	Control	0	22.1	41.3	57	DEAD
2	WR238605	64	0	0	0	0
3	BK73252	16	0	0	0	0
4		4	1.1	21.4	37.3	16.1
5		1	24.7	69.5	DEAD	
6	Primaquine	64	0	0.9	29.1	11
7	BJ08241	16	0	17.3	26.4	0
8		4	1.4	53.9	56.8	0
9		1	24.6	55.7	73.3	19
10	Chloroquine	64	0.9	54.4	20.2	0
11	BG58705	16	1	53.1	33.7	0
12		4	1	52.3	33.3	0
13		1	40.1	38	54	DEAD
14	Mefloquine	64	0.003	2.1	19.4	0
15	BK11592	16	0.001	6.9	49.4	52
16		4	0.4	12.9	41.1	0.01
17		1	15	36	43	DEAD
18	Halofantrine	64	0	0.4	0.01	0
19	BK64002	16	0	0.6	0.001	0
20		4	0	7.1	36.3	20.5
21		1	0.9	39.3	33.7	DEAD
22	Quinine	64	1.1	50.8	41.7	DEAD
23	AW23860	16	32.8	50	59.3	72
24		4	32.4	55	DEAD	

(Exepriment 706)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE/DAY + 60/TOTAL
1	Control	0	PO	HEC	<i>P. Vinckei</i> Drug sensitive	2/7 4/8 1/10	0/7
2	Chloroquine	32				1/15 4/16 1/17 1/21	0/7
3	BG58705	8				3/14 2/15 1/16 1/23	0/7
4		2				3/9 1/11 1/13 2/18	0/7
5	Mefloquine	32				2/20 1/24	4/7
6	BL11502	8				3/16 1/18 1/27 1/29	1/7
7		2				2/8 3/9 1/12 1/13	0/7
8	Halofantrine	8				1/23 1/28	5/7
9	BK64002	2				1/4 2/15 1/18 1/19 1/21 1/28	0/7
10		0.5				5/8 1/9 1/10	0/7
13	Control	0			<i>P. Vinckei</i> Chloroquine-resistant	2/7 2/8 3/9	0/7
14	Chloroquine	128				1/13 1/15 1/17 2/20	2/7
15	BG58705	32				2/11 1/14 1/16	3/7
16		8				1/11 1/12 1/14 1/15 1/20	2/7
17		2				3/9 2/10 1/15 1/21	0/7
18	Mefloquine	128				1/4 1/20 1/23	4/7
19	BK11592	2				1/8 1/9 1/12 1/13 1/14 1/16 1/20	0/7
20	Halofantrine	128					7/7
21	BK64002	32				1/21	6/7
22		8					7/7
23		2				1/12 1/14 1/18	4/7
24		0.5				1/8 3/9 2/10 1/13	0/7